DEOGIRI INSTITUTE OF ENGINEERING & MANAGEMENT STUDIES
DEPARTMENT OF COMPUTER SCIENCE & ENGINEERING
(ARTIFICIAL INTELLIGENCE & MACHINE LEARNING)

AI & MACHINE LEARNING

The CSE-(AIML) Department Newsletter

Exploring the frontier of Artificial Intelligence, Machine Learning, and the technologies reshaping our world — from the classrooms and labs of DIEMS.

Student Achievements | Faculty Publications | Workshops & Events | Industry Visits | Tech Spotlight

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From the HOD's Desk

A WORD FROM OUR HEAD OF DEPARTMENT

HEAD OF DEPARTMENT

Dr. S.A Shaikh

Ph.D. | Professor & HoD, Dept. of AI & Machine Learning

Welcome to the Department of C.S.E. (AI&ML) (Artificial Intelligence & Machine Learning)at D.I.E.M.S., Aurangabad. The Department of CSE(AI&ML) at D.I.E.M.S. is strongly committed to impart innovative and quality technical education with high standards at undergraduate level. The faculty and non-teaching staff of the department is committed to prepare our students by providing the expertise and proficiency in Artificial Intelligence, Machine Learning, Deep Learning and its related fields needed to thrive in our modern society. The AI&ML in the 21st century is the skill of the century. It has had a tremendous impact on human civilization.

Vision & Mission

DEPARTMENT OF AI & MACHINE LEARNING

VISION

To emerge as a leading department in Technical Education and Research in India in Computer Science and Engineering, especially in the Artificial Intelligence and Machine Learning domain with focus to produce professionally competent and socially sensitive engineers capable of working in a global environment.

MISSION

- To prepare Computer Science and Engineering in Artificial Intelligence and Machine Learning graduates to be lifelong learners with competence in basic sciences & engineering and professional core, multidisciplinary areas, with continuous update of the syllabus, so that they can succeed in industry as an individual and as a team or to pursue higher studies or to become an entrepreneur.
- To enable the graduates to use modern tools, to design and develop artificial intelligence enabled products and also communicate effectively with professional ethics.
- To continuously engage in research and project development with financial management to promote scientific temper in the graduates and attain sustainability.

65+	11	5	50+
STUDENTS PLACED	FACULTY MEMBERS	EVENTS THIS SEMESTER	RESEARCH PAPERS

The Future Of AI

EXPLORING THE POWER AND FUTURE OF NATURAL LANGUAGE PROCESSING

Artificial Intelligence (AI) is rapidly transforming the world and becoming one of the most powerful technologies of the 21st century. From smartphones and virtual assistants to healthcare and education, AI is already a part of our daily lives. The future of AI promises even greater advancements that will change the way humans live, work, and interact with technology.

AI refers to machines or computer systems that can perform tasks that usually require human intelligence, such as learning, reasoning, problem-solving, and decision-making. In the future, AI is expected to become more intelligent, efficient, and capable of handling complex tasks with greater accuracy. Industries around the world are investing heavily in AI to improve productivity and innovation.

One of the most important areas where AI will play a major role is healthcare. AI-powered systems can help doctors diagnose diseases faster and more accurately. Robots may assist in surgeries, while smart devices can monitor patients in real time. AI can also help scientists develop medicines and treatments more quickly, saving millions of lives.

In education, AI will make learning more personalized and accessible. Smart learning platforms can understand students' strengths and weaknesses and provide customized lessons according to their needs. Virtual tutors and AI-based tools can make education easier, interactive, and available to students from remote areas.

The future of AI will also greatly impact businesses and industries. AI can automate repetitive tasks, improve customer service through chatbots, and analyze huge amounts of data within seconds. This will help companies make better decisions and increase efficiency. In transportation, self-driving cars and smart traffic systems may reduce accidents and make travel safer.

Despite its advantages, AI also raises several challenges and concerns. Many people fear that automation may replace human jobs in the future. Privacy and data security are also major issues, as AI systems collect and analyze personal information. Therefore, it is important to use AI responsibly and create ethical guidelines to ensure that technology benefits humanity.

Another important concern is the misuse of AI. If not controlled properly, AI can be used for cybercrimes, spreading false information, or creating harmful technologies. Governments and organizations must work together to develop rules and regulations for safe AI development.

The future of AI is full of opportunities and possibilities. It has the power to solve complex global problems, improve living standards, and create a smarter world. However, humans must ensure that AI is developed with responsibility, ethics, and human values in mind.

In conclusion, Artificial Intelligence is shaping the future of the world at an incredible speed. While it offers numerous benefits in healthcare, education, business, and daily life, it also brings challenges that need careful attention. If used wisely, AI can become one of the greatest inventions that helps humanity progress toward a better and more advanced future.

Student Achievements

CELEBRATING EXCELLENCE — JAN TO JUN 2025

1ST PLACE

Smart India Hackathon — National

Divya Maske Second Year AIML

The Smart India Hackathon (SIH) 2025 in Andhra Pradesh , as part of the nationwide 8th edition , kicked off in late 2025 with intensive Internal Hackathons to select top student teams. The 36-hour Software Grand Finale took place on December 8-9 , 2025 , at designeted nodal centers , including KKR & KSR Institue of Technology and Sciences (KITS) in Guntur

WINNER

Navonmesh Srijan Hackathon 2026

Aditya Bhumkar · Third Year AIML

Srijan is a National Level Hackathon aimed at fostering creative problem-solving , innovation and rapid prototyping among students.

2ND PLACE

Udayam Competition

Siddhi Pawar · Second Year AIML

Udayam Competition Organized By the E-Cell at MGM University , Sambhajinagar

Placements

OUR STUDENTS PLACED AT TOP TECH COMPANIES

INFOSYS — 3 STUDENTS PLACED

Mrunmai Abhay Kondpalle
Final Year · AIML
Infosys

Shrutika Gopal Raut
Final Year · AIML
Infosys

Vaishnavi Sunil Nikam
Final Year · AIML
Infosys

TCS — 4 STUDENTS PLACED

Aniruddh Pophale
Final Year · AIML
TCS

Gaurav Mangate
Final Year · AIML
TCS

Summet Indapure
Final Year · AIML
TCS

Sheetal Pawar
Final Year · AIML
TCS

GATE 2026 Qualifiers

STUDENTS WHO CRACKED THE GRADUATE APTITUDE TEST IN ENGINEERING

🎓 GATE 2026 — 3 STUDENTS QUALIFIED

Abhishek Adhav

Final Year Year · AIML

GATE Score 380

GATE 2025

Abhishek Adhav

Final Year · AIML

GATE Score 436

GATE 2025

Sujal Hiwale

Third Year · AIML

GATE Score 582

GATE 2026

Academic Toppers

RECOGNIZING ACADEMIC EXCELLENCE ACROSS ALL YEARS

Sharad Gadgul

Second Year · AIML

Topper

Tanvi Pindkurwar

Third Year · AIML

Topper

Nikita Bidve

Final Year · AIML

Topper

Higher Studies

Atharva Ghodele

VJTI CSE

Pranav Vyavhare

IIT Rajasthan-CSE(AIDS)

Sachin Baradkar

VJTI -Software Engineering

Faculty Publications

01 **Smart City Mission Transformation**
Dr. S. A. Shaikh
Faculty Member at Deogiri Institute of Engineering & Management Studies
View Certificate

02 **NPTEL Certification**
Prof. Prachi Joshi
Faculty Member at Deogiri Institute of Engineering & Management Studies
View Certificate

03 **Doctor of Philosophy (Ph.D.) in Computer Science and Engineering**
Dr. Anil Rokade
Faculty Member at Deogiri Institute of Engineering & Management Studies
View Certificate

04 **Faculty Development Program on "The Art Of Research"**
Prof. Sonali Deshpande
Faculty Member at Deogiri Institute of Engineering & Management Studies
View Certificate

05 **NPTEL Certification**
Prof. Sujata Tuppad
Faculty Member at Deogiri Institute of Engineering & Management Studies
View Certificate

Events & Workshops

HANDS-ON LEARNING BEYOND THE CLASSROOM

Robotic Process Automation (RPA) Workshop — Workshop
Duration: 7 Days · Participants: 78 Students ·

Aptitude & Technical Training Program — Workshop
Duration: 10 Days · Participants: 78 Students ·

Placement & Higher Studies Opportunities through GATE — by I2E (Imperial Institute of Excellence) — Session
Audience: 2nd Year AIML Students · Organiser: Imperial Institute of Excellence (I2E)

Faculty Publications

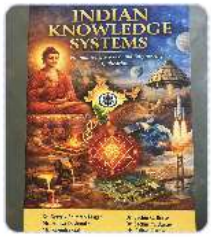
RESEARCH, INNOVATION, AND KNOWLEDGE IN PRINT

C Programming: From Basics to Brilliance

A comprehensive guide designed to build strong programming fundamentals, this book simplifies core concepts of C programming through practical examples and structured learning. It serves as an excellent resource for beginners and aspiring software developers.

Indian Knowledge System

This book explores the rich heritage of India's traditional knowledge, philosophies, sciences, and cultural wisdom. It highlights the relevance of ancient Indian contributions in today's educational and technological landscape.



Industry On Going Project

REAL-WORLD EXPOSURE FOR OUR STUDENTS

Students of TY AIML developed and presented the Automatic Impurity Removal System under **S4S** Chhatrapati Sambhaji Nagar, under the guidance of Faculty Coordinator **Dr. S. A. Shaikh**.

The project focused on designing an intelligent system to detect and remove impurities from agricultural products using AI/ML, sensor-based mechanisms, and automation techniques. Students gained hands-on experience integrating hardware and software components, optimizing detection accuracy, and improving process efficiency. It enhanced their understanding of robotics, embedded systems, and computer vision, demonstrating how AI and automation can boost productivity and quality control in the agricultural sector.

The experience bridged the gap between classroom theory and industrial application, inspiring students to pursue innovative projects and internships in the domain.

Academic On Going Project

STUDENTS BUILD INTELLIGENT ROBOTS

TY AIML students developed an intelligent multifunctional robot under the guidance of **Dr. S. A. Shaikh** and **A. H. Rokade**, integrating AI, machine learning, computer vision, voice assistance, and robotic automation to perform real-time intelligent tasks.

The robot features object detection, face recognition, voice-controlled interaction, autonomous movement, and obstacle detection. Built on Raspberry Pi and microcontroller-based platforms, it gave students hands-on experience in embedded systems, AI model integration, and hardware-software communication.

The project successfully demonstrated the real-world application of AIML concepts, highlighting the students' technical expertise, innovation, and interdisciplinary engineering skills in building an intelligent robotic system.

FACULTY MEMBERS

Dr. S. A. Shaikh

Dr. A. H. Rokade

Prof. P. S. Sodegaonkar

Prof. S. G. Deshpande

Prof. S. G. Tuppad

Prof. K. S. Shinde

Prof. R. M. Kale

Prof. P. R. Kathar

Prof. Nida Kazi

Prof. M. R. Pardesi

Prof. K. S. Deshpande

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DESIGN HEAD

Siddhi Pawar

EDITOR IN CHIEF

Nikunj Saraf

WRITER

Divya Maske

RESEARCHER